

**3655**

**R-009-101.50**

**SOUTH GROUNDWATER CONTAMINATION  
PLUME REMOVAL ACTION WEEKLY REPORT  
AUGUST 21, 1992**

**08/21/92**

**DOE-FN/EPA  
3  
REPORT**

SOUTH GROUNDWATER CONTAMINATION PLUME REMOVAL ACTIONWEEKLY REPORTAugust 21, 1992Part 1 - Alternate Water Supply

The U.S. Attorney plans to file the condemnation packages into the U.S. District Court by August 26, 1992. Upon filing, it is anticipated that possession of the property easements will be granted which will allow construction to restart by August 28, 1992.

Part 2 - Pump and Discharge

Package 2A (Discharge Pipeline): The contractor was asked to stop all field activities on August 19, 1992, due to safety violations observed during excavation/shoring operation at the proposed valve house area, just north of the Interim Advanced Wastewater Treatment Unit at the Storm Water Retention Basin. Construction activities will continue to be on hold until the contractor demonstrate compliance to OSHA safety regulations.

Package 2B1 (Outfall Cofferdam): No change. The design package for the cofferdam is due by the end of August.

Package 2C (Wellfield): Design package went out for bids on August 11, 1992. Bid proposals are due by the first week of September.

Package 2D (Test Well): Design package went out for bids on August 10, 1992. Bid proposals are due by the first week of September.

The U.S. Army Corps of Engineers (COE) began final preparation of the condemnation package for Delta Steel easement on August 18, 1992, and plans to forward the package to the Department of Energy-Oak Ridge Field Office (DOE-ORFO) by August 24, 1992. Negotiations continue with Mr. Earl J. Weber, and COE expects a final response from Weber by August 24, 1992.

Part 3 - Installation and Operation of an Interim Advanced Wastewater Treatment (IAWWT) system to reduce uranium contaminant loading to the Great Miami River to a level less than 1,700 pounds per year

Operations at the IAWWT (BDN-ETS) continue to be impaired by very fine material passing through the bag filters. The accumulated solids are increasing the headloss across the ion exchange columns and subsequently reducing the amount of flow that can be treated by the system. Ion exchange Vessel 1 has been taken offline, emptied of resin, and the resin and vessel flushed of solids. Vessel 1 is now back online and Vessel 2 is being flushed. The trouble-shooting team is currently investigating the use of a flocculent aid and/or more restrictive filtration of the wastewater stream in order to prevent the accumulation of solids on the ion exchange vessels. Until a resolution of this problem is implemented, the IAWWT (BDN-ETS) will continue to be operated at a reduced treatment rate of approximately 65 gallons per minute.

Operation of the IAWWT Stormwater Retention Basis (SWRB) is continuing through the number one trailer. Flushing of the low pH residue in the number one and

AUG 24 1992

number two ion exchange vessels has been accomplished in the number one trailer. Treatment of stormwater is continuing through these two vessels at a rate of 150 gallons per minute while Vessel 3 continues to flush. The number two trailer will commence operation as soon as trailer number one is fully operational.

#### Part 5 - Groundwater Modeling and Geochemical Investigation

Preliminary results received from the sampling at a western hydropunch boring on the north traverse of hydropunching has indicated that no organics were present.

#### General

Enclosed is the property access schedule outlining the status of easement acquisitions.

SOUTH GROUNDWATER CONTAMINATION PLUME - PROPERTY ACCESS STATUS/SCHEDULE

21 - Aug - 92

Legend: S - Schedule    DOE - Dept of Energy  
F - Forecast    COE - US Army Corps of Engineers  
A - Actual

PART 1 - ALTERNATE WATER SUPPLY

<u>PROPERTY/INTEREST</u>	<u>RIGHT-OF-ENTRY SURVEY/EXPLOR.</u>	<u>RIGHT-OF-ENTRY CONSTRUCTION</u>	<u>COMMENTS</u>
• Rowe & Rowe, Trustees (Mandery)	Complete	Denied, 3/06/92 S, 8/27/92 F	US Attorney has agreed to submit the condemnation packages to US District Court by 8/26/92.
• Lienesch, Frank	Denied ----->	Denied, 3/06/92 S, 8/27/92 F	
• Unknown Owner	----->	3/06/92 S, 8/27/92 F	
Burton, Clayton & Rose Ann	Complete	Complete	Accepted Easement Offer.
Roy, Clarence	Complete	Complete	Accepted Easement Offer.
CSX Realty	Complete	Complete	Negotiating easement agreement.
Texas Gas & Transmission	Complete	Complete	Indefinite right-of-entry.
Albright & Wilson	Complete	Complete	Perpetual easement not required.
County Roads	Not Required	Not Required	Permit required prior to construction, has been obtained by contractor.

PART 2, Pkgs 2A/2B - DISCHARGE PIPELINE & OUTFALL TO GREAT MIAMI RIVER

<u>PROPERTY/INTEREST</u>	<u>RIGHT-OF-ENTRY SURVEY/EXPLOR.</u>	<u>RIGHT-OF-ENTRY CONSTRUCTION</u>	<u>COMMENTS</u>
Knollman Farms (S of Willey Rd)	Complete	Complete	Negotiations complete, Accepted Easement and License Offer.
Knollman Farms (E of RT 128)	Complete	Complete	Negotiations complete, Accepted License Offer.
Knollman Farms (W of RT 128)	Complete	Complete	Negotiations complete, Accepted License Offer.
Cincinnati Gas & Electric	Complete	Complete	Agreement signed CG&E management.
Mid-Valley Crude Oil Co.	Not Required	Not Required	Notification sent to Mid-Valley.
County Roads	Not Required	Not Required	Permit required prior to construction, has been obtained by contractor.

PART 2, Pkgs 2C/2D - WELLFIELD & TEST WELL

<u>PROPERTY/INTEREST</u>	<u>RIGHT-OF-ENTRY SURVEY/EXPLOR.</u>	<u>RIGHT-OF-ENTRY CONSTRUCTION</u>	<u>COMMENTS</u>
Albright & Wilson	Complete	Complete	Negotiating easement agreement.
• Delta Steel	Denied ----->	Denied, 8/03/92 S, 1/29/93 F	COE to forward condemnation package to DOE-Oak Ridge by 8/24/92.
• CSX Transportation (RR)			
and CSX Realty	Complete	Complete	Negotiating easement agreement and resolving CSX lease with Delta Steel.
• Weber, Earl	8/03/92 S, TBD F	8/03/92 S, TBD F	COE is negotiating with Weber's attorney. Weber response expected 8/24/92.
Knollman Farms (new-for access rd & monitoring well)		Complete	Negotiations complete, Accepted License Offer.
• Harrison Foundations (new-for access rd & monitoring well)		8/31/92 F	Revised agreement in progress.
• Texas Gas & Transmission (new-for access road)		8/31/92 F	Negotiations in progress.
• CSX Realty (new-for access rd and monitoring well)		8/31/92 F	Negotiations in progress.

3655